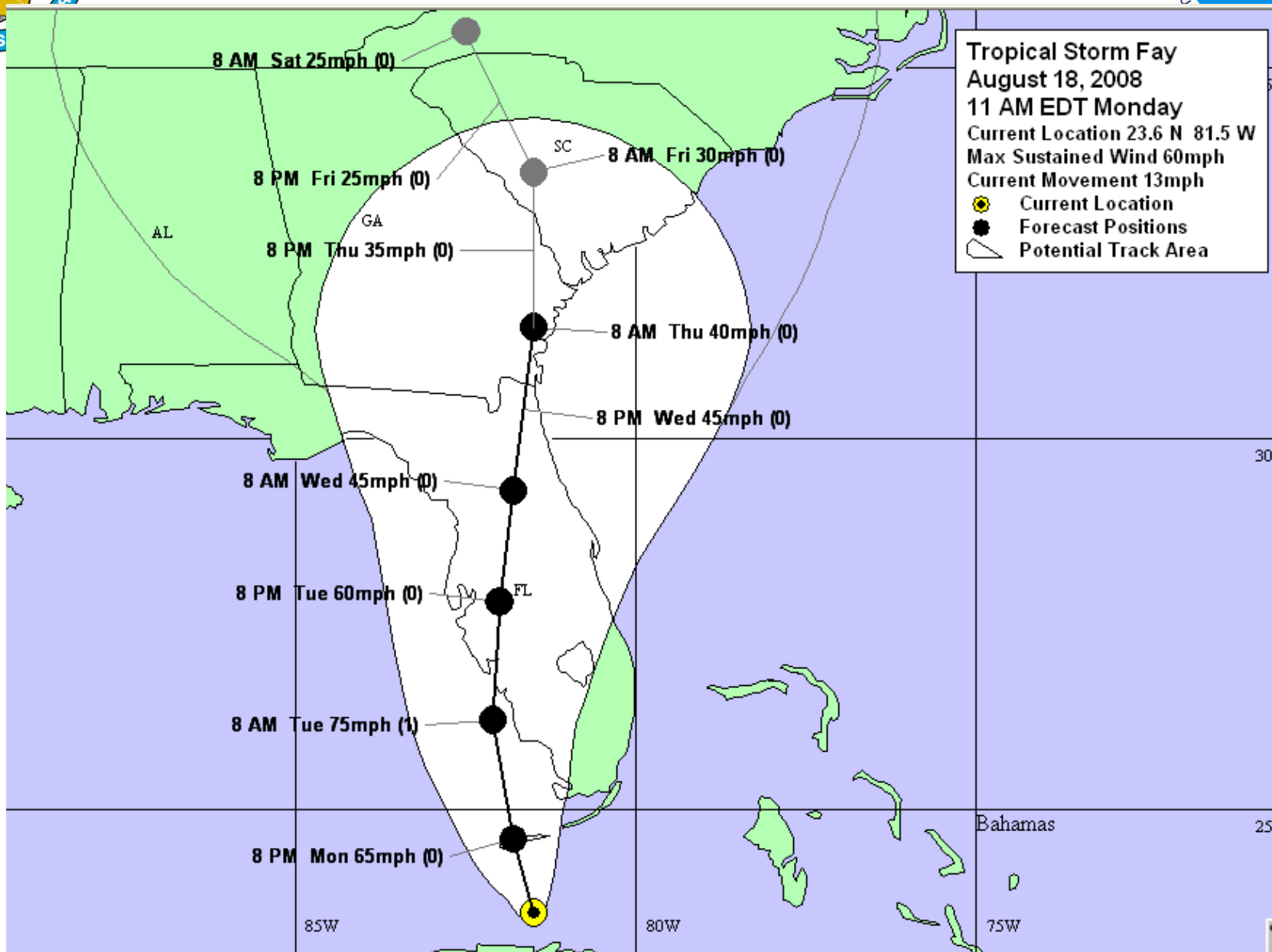


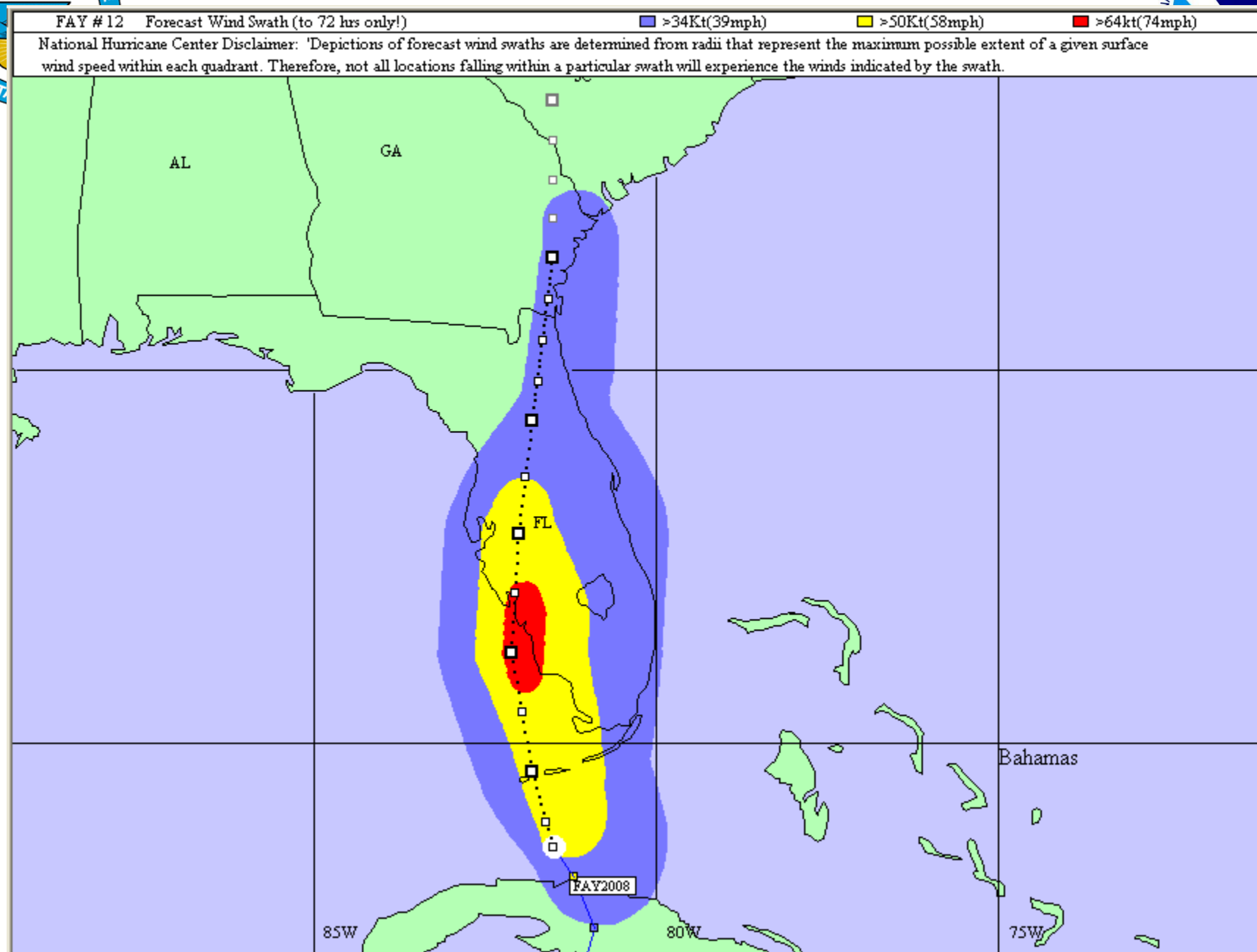
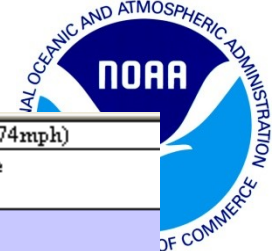


Tropical Storm Fay

1100 EDT, 18 Aug 2008

LT Paul Kemp, NOAA Corps
NOAA Desk Officer







CENTER OF FAY NOW OVER THE FLORIDA STRAITS; HURRICANE WARNING FOR THE COAST OF SOUTHWESTERN FLORIDA

- **AT 1100 AM EDT, 1500 UTC, THE CENTER OF TROPICAL STORM FAY WAS LOCATED ABOUT 70 MILES SOUTH-SOUTHEAST OF KEY WEST FLORIDA AND ABOUT 65 MILES EAST-NORTHEAST OF HAVANA CUBA.**
- **FAY IS MOVING TOWARD THE NORTH-NORTHWEST NEAR 13 MPH. A TURN TOWARD THE NORTH WITH A SLOWER FORWARD SPEED IS EXPECTED LATER TODAY AND TONIGHT, WITH A GENERALLY NORTHWARD MOTION EXPECTED ON TUESDAY.**
- **ON THE FORECAST TRACK, THE CENTER OF FAY SHOULD BE NEAR THE FLORIDA KEYS THIS AFTERNOON OR TONIGHT, AND NEAR THE SOUTHWEST COAST OF THE FLORIDA PENINSULA ON TUESDAY.**



Winds and Pressure

- **MAXIMUM SUSTAINED WINDS ARE NEAR 60 MPH, WITH HIGHER GUSTS. SOME STRENGTHENING IS FORECAST DURING THE NEXT 24 HOURS, AND FAY IS FORECAST TO BECOME A HURRICANE AS IT NEARS THE SOUTHWESTERN FLORIDA COAST ON TUESDAY.**
- **TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 115 MILES FROM THE CENTER. WIND GUSTS TO TROPICAL STORM FORCE ARE BEING REPORTED IN SOME PARTS OF THE FLORIDA KEYS AND THE SOUTHEAST COAST OF FLORIDA.**
- **THE MINIMUM CENTRAL PRESSURE JUST REPORTED BY AN AIR FORCE RESERVE HURRICANE HUNTER AIRCRAFT IS 1003 MB, 29.62 INCHES.**



Tides, Severe Weather and Rainfall

- **FAY IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 4 TO 8 INCHES OVER MUCH OF CUBA, WITH ISOLATED MAXIMUM AMOUNTS OF 12 INCHES. THESE RAINS COULD PRODUCE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES.**
- **HEAVY RAINS ARE EXPECTED TO SPREAD ACROSS SOUTH FLORIDA TODAY. STORM TOTAL AMOUNTS OF 4 TO 8 INCHES, WITH MAXIMUM AMOUNTS OF 10 INCHES ARE POSSIBLE FOR THE FLORIDA KEYS AND SOUTH FLORIDA.**
- **RAINFALL ACCUMULATIONS OF 3 TO 5 INCHES ARE POSSIBLE IN THE NORTHWESTERN BAHAMAS. ISOLATED TORNADOES ARE POSSIBLE TODAY OVER THE FLORIDA KEYS AND THE SOUTHERN FLORIDA PENINSULA.**



Watches and Warnings for Florida

- **AT 11 AM EDT, A HURRICANE WARNING IS IN EFFECT FOR THE SOUTHWESTERN COAST OF FLORIDA FROM FLAMINGO TO ANNA MARIA ISLAND.**
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- **AT 11 AM EDT, THE TROPICAL STORM WARNING ALONG THE FLORIDA EAST COAST IS EXTENDED NORTHWARD TO COCOA BEACH.**
- **A TROPICAL STORM WARNING IS IN EFFECT ALONG THE FLORIDA EAST COAST FROM COCOA BEACH SOUTHWARD, AND ALONG THE FLORIDA WEST COAST EAST OF FLAMINGO, INCLUDING LAKE OKEECHOBEE.**
- **A TROPICAL STORM WARNING AND A HURRICANE WATCH ARE IN EFFECT FOR THE FLORIDA KEYS FROM OCEAN REEF TO KEY WEST, INCLUDING THE DRY TORTUGAS AND FLORIDA BAY.**



Watches and Warnings for Florida (cont.)

- **A HURRICANE WATCH REMAINS IN EFFECT FOR THE FLORIDA MAINLAND EAST OF FLAMINGO TO CARD SOUND BRIDGE, AND ALONG THE FLORIDA WEST COAST NORTH OF ANNA MARIA TO TARPON SPRINGS.**
- **AT 11 AM EDT, A TROPICAL STORM WATCH IS IN EFFECT ALONG THE FLORIDA EAST COAST NORTH OF COCOA BEACH TO FERNANDINA BEACH.**
- **INTERESTS ELSEWHERE IN THE FLORIDA PENINSULA AND THE EASTERN GULF OF MEXICO SHOULD MONITOR THE PROGRESS OF FAY.**



Other Watches and Warnings

- **A TROPICAL STORM WATCH IS IN EFFECT FOR THE NORTHWESTERN BAHAMAS.**
- **AT 11 AM EDT...1500 UTC...THE GOVERNMENT OF CUBA HAS DISCONTINUED ALL WARNINGS AND WATCHES FOR CUBA.**



Technical Discussion

- ALL TRACK GUIDANCE SUGGESTS THAT FAY WILL MAINTAIN A NORTH-NORTHWESTWARD HEADING FOR ANOTHER 24 HOURS UNTIL IT REACHES THE SUBTROPICAL RIDGE AXIS. THE OFFICIAL FORECAST IS NEAR THE RIGHT-HAND SIDE OF THE GUIDANCE ENVELOPE EARLY ON, BUT SOME ADDITIONAL RIGHTWARD ADJUSTMENTS MAY BE NECESSARY IF THE CURRENT CONVECTIVE STRUCTURE PERSISTS AND THE CYCLONE REMAINS VERTICALLY CONNECTED.
- THERE ARE LARGE DIFFERENCES IN THE TRACK GUIDANCE LATE IN THE FORECAST PERIOD AND THE RUN TO RUN CONSISTENCY OF THE GUIDANCE HAS BEEN VERY POOR. GIVEN THAT, ONLY A SLIGHT EASTWARD SHIFT HAS BEEN MADE LATER IN THE FORECAST PERIOD.



Technical Discussion (cont.)

- **SOME WESTERLY SHEAR IS EXPECTED TO CONTINUE FOR THE NEXT DAY OR TWO.**
- **GIVEN THIS PATTERN, RAPID STRENGTHENING IS NOT EXPECTED, BUT THE SHEAR IS NOT EXPECTED TO BE STRONG ENOUGH TO PREVENT FAY FROM REACHING HURRICANE STRENGTH BEFORE IT REACHES THE FLORIDA PENINSULA.**



Satellite Picture TS Fay

